

State of West Virginia
Department of Environmental Protection - Office of Oil and Gas
Well Operator's Report of Well Work

API 47-051-01800 County Marshall District Clay
Quad Glen Easton Pad Name Taylor C Field/Pool Name _____
Farm name Williams Ohio Valley Midstream LLC Well Number Taylor C 1H
Operator (as registered with the OOG) Chevron Appalachia, LLC
Address 700 Cherrington Parkway City Coraopolis State PA Zip 15108

As Drilled location NAD 83/UTM Attach an as-drilled plat, profile view, and deviation survey
Top hole Northing 494612.38 Easting 1632316.56
Landing Point of Curve Northing 495096.47 Easting 1631699.05
Bottom Hole Northing 501870.07 Easting 1625922.03

Elevation (ft) 1257' GL Type of Well New Existing Type of Report Interim Final
Permit Type Deviated Horizontal Horizontal 6A Vertical Depth Type Deep Shallow
Type of Operation Convert Deepen Drill Plug Back Redrilling Rework Stimulate
Well Type Brine Disposal CBM Gas Oil Secondary Recovery Solution Mining Storage Other _____
Type of Completion Single Multiple Fluids Produced Brine Gas NGL Oil Other _____
Drilled with Cable Rotary

Drilling Media Surface hole Air Mud Fresh Water Intermediate hole Air Mud Fresh Water Brine
Production hole Air Mud Fresh Water Brine

Mud Type(s) and Additive(s)
Synthetic - barite, fluid loss, emulsifiers, rheological control

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Date permit issued 3/31/2015 Date drilling commenced 8/17/2015 Date drilling ceased 2/5/2018
Date completion activities began 9/12/18 Date completion activities ceased 3/30/19
Verbal plugging (Y/N) N Date permission granted _____ Granted by _____

Please note: Operator is required to submit a plugging application within 5 days of verbal permission to plug

Freshwater depth(s) ft 732' Open mine(s) (Y/N) depths N
Salt water depth(s) ft 2279' Void(s) encountered (Y/N) depths N
Coal depth(s) ft 800' Cavern(s) encountered (Y/N) depths N
Is coal being mined in area (Y/N) Y

Reviewed

Reviewed by:
[Signature]

WR-35
Rev. 8/23/13

API 47-051 - 01800 Farm name Williams Ohio Valley Midstream LLC Well number Taylor C 1H

CASING STRINGS	Hole Size	Casing Size	Depth	New or Used	Grade wt/ft	Basket Depth(s)	Did cement circulate (Y/N) * Provide details below*
Conductor	36"	20"	75'	New	X-52 / 78.70		Y
Surface	17 1/2"	13 3/8	541'	New	J-55 / 54.50#		Y
Coal	12 1/4"	9 5/8"	2154'	New	J-55/40		Y
Intermediate 1							
Intermediate 2							
Intermediate 3							
Production	8 1/2"	5 1/2"	15654'	New	P-110 / 20		Y
Tubing							
Packer type and depth set							

Comment Details _____

CEMENT DATA	Class/Type of Cement	Number of Sacks	Slurry wt (ppg)	Yield (ft ³ /sks)	Volume (ft ³)	Cement Top (MD)	WOC (hrs)
Conductor	Bulk Cement	Bulk Cement				Surface	8
Surface	Class A	438	15.6	1.2	525	Surface	8
Balanced Plug	Class A	104	15.6	1.19	123		
Coal	Class A	790	15.6	1.19	940	Surface	8
Intermediate 2							
Intermediate 3							
Production	Class H	Lead: 1373 Tail: 2007	Lead: 14.7 Tail: 15.2	Lead: 1.13 Tail: 1.13	Lead: 155 Tail: 2267	Surface	8
Tubing							

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Drillers TD (ft) ^{15840'} _____ Loggers TD (ft) ^{15840'} _____
 Deepest formation penetrated Marcellus Plug back to (ft) _____
 Plug back procedure _____

Kick off depth (ft) ^{5105'} _____

Check all wireline logs run caliper density deviated/directional induction
 neutron resistivity gamma ray temperature sonic

Well cored Yes No Conventional Sidewall Were cuttings collected Yes No

DESCRIBE THE CENTRALIZER PLACEMENT USED FOR EACH CASING STRING There is a bow spring centralizer every two joints on the water and intermediate strings. The production string has two centralizers every joint in the lateral and curve, then one every joint from KOP to surface.

WAS WELL COMPLETED AS SHOT HOLE Yes No DETAILS SEE ATTACHED PERFORMANTION AND STIMULATION REPORTS

WAS WELL COMPLETED OPEN HOLE? Yes No DETAILS _____

WERE TRACERS USED Yes No TYPE OF TRACER(S) USED _____

API 47- 051 - 01800 Farm name Williams Ohio Valley Midstream LLC Well number Taylor C 1H

PERFORATION RECORD

Stage No.	Perforation date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formation(s)
	SEE	ATTACHED			

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Please insert additional pages as applicable.

STIMULATION INFORMATION PER STAGE

Complete a separate record for each stimulation stage.

Stage No.	Stimulations Date	Ave Pump Rate (BPM)	Ave Treatment Pressure (PSI)	Max Breakdown Pressure (PSI)	ISIP (PSI)	Amount of Proppant (lbs)	Amount of Water (bbls)	Amount of Nitrogen/other (units)
		SEE	ATTACHED					

Please insert additional pages as applicable.

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API 47- 051 - 01800 Farm name Williams Ohio Valley Midstream LLC Well number Taylor C 1H

<u>PRODUCING FORMATION(S)</u>	<u>DEPTHS</u>		
Marcellus	6520'	TVD	6709' MD

Please insert additional pages as applicable.

GAS TEST Build up Drawdown Open Flow OIL TEST Flow Pump

SHUT-IN PRESSURE Surface _____ psi Bottom Hole _____ psi DURATION OF TEST _____ hrs

OPEN FLOW Gas _____ mcfpd Oil _____ bpd NGL _____ bpd Water _____ bpd
GAS MEASURED BY Estimated Orifice Pilot

LITHOLOGY/ FORMATION	TOP	BOTTOM	TOP	BOTTOM	DESCRIBE ROCK TYPE AND RECORD QUANTITY AND TYPE OF FLUID (FRESHWATER, BRINE, OIL, GAS, H ₂ S, ETC)
	DEPTH IN FT NAME TVD	DEPTH IN FT TVD	DEPTH IN FT MD	DEPTH IN FT MD	
SEE	ATTACHED		0		

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Please insert additional pages as applicable.

Drilling Contractor SEE ATTACHED
Address _____ City _____ State _____ Zip _____

Logging Company Stratagraph
Address 116 Ellsworth Avenue City Marietta State OH Zip 45750

Cementing Company SEE ATTACHED
Address _____ City _____ State _____ Zip _____

Stimulating Company Universal Pressure Pumping
Address 18360 Technology Drive City Meadville State PA Zip 16335

Please insert additional pages as applicable.

Completed by Jackie M. Scholar Telephone 412-865-3422
Signature _____ Title Regulatory Compliance Team Lead Date 4/11/19

Submittal of Hydraulic Fracturing Chemical Disclosure Information Attach copy of FRACFOCUS Registry

API: 47-051-01800	Farm Name: Williams Ohio Valley Midstream LLC	Well Number: Taylor C 1H
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PERFORATION RECORD					
Stage No.	Perforation Date	Perforated From TMD Ft.	Perforated To TMD Ft.	Number of Perforations	Formation(s)
1	12/3/18	14828	14668	47	Marcellus
2	12/3/18	14628	14468	47	Marcellus
3	12/3/18	14428	14268	47	Marcellus
4	12/4/18	14228	14068	47	Marcellus
5	12/4/18	14028	13868	47	Marcellus
6	12/4/18	13828	13668	47	Marcellus
7	12/5/18	13628	13468	47	Marcellus
8	12/5/18	13428	13268	47	Marcellus
9	12/5/18	13228	13068	47	Marcellus
10	12/6/18	13028	12838	47	Marcellus
11	12/6/18	12828	12668	47	Marcellus
12	12/6/18	12628	12468	47	Marcellus
13	12/6/18	12428	12268	47	Marcellus
14	12/6/18	12228	12068	47	Marcellus
15	12/6/18	12028	11868	47	Marcellus
16	12/7/18	11828	11668	47	Marcellus
17	12/7/18	11628	11468	47	Marcellus
18	12/7/18	11428	11268	47	Marcellus
19	12/7/18	11228	11068	47	Marcellus
20	12/7/18	11028	10868	47	Marcellus
21	12/8/18	10828	10668	47	Marcellus
22	12/8/18	10628	10468	47	Marcellus
23	12/9/18	10428	10268	47	Marcellus
24	12/9/18	10228	10068	47	Marcellus
25	12/11/18	10028	9868	47	Marcellus
26	12/12/18	9828	9668	47	Marcellus
27	12/12/18	9628	9468	47	Marcellus
28	12/12/18	9428	9268	47	Marcellus
29	12/13/18	9228	9068	47	Marcellus
30	12/13/18	9028	8868	47	Marcellus
31	12/13/18	8828	8668	47	Marcellus
32	12/13/18	8628	8468	47	Marcellus
33	12/14/18	8428	8268	47	Marcellus
34	12/14/18	8228	8068	47	Marcellus
35	12/14/18	8028	7868	47	Marcellus
36	12/14/18	7828	7668	47	Marcellus
37	12/15/18	7628	7468	47	Marcellus
38	12/15/18	7428	7268	47	Marcellus
39	12/15/18	7228	7068	47	Marcellus
40	12/15/18	7028	6868	47	Marcellus

Please insert additional copies of this page if additional rows/stages are needed.

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API: 47-051-01800

Farm Name: Williams Ohio Valley Midstream LLC

Well Number: Taylor C 1H

STIMULATION INFORMATION / STAGE								
Complete a separate record for each stimulation stage. (Please insert additional lines for additional stages or additional pages as applicable).								
Stg No.	Stimulation Date	Ave Pump Rate (BPM)	Ave Treatment Pressure (PSI)	Max Breakdown Pressure (PSI)	ISIP (PSI)	Amount of Proppant (lbs)	Amount of Water (bbls)	Amount of Nitrogen/ other (units)
1	12/3/18	87.5	9221	3316	4331	401247	9697	n/a
2	12/3/18	94.6	8755	5334	4935	399640	9696	n/a
3	12/3/18	93.2	9042	5645	4924	400329	9627	n/a
4	12/4/18	88.1	8867	6503	4936	402617	9604	n/a
5	12/4/18	92.9	8369	6000	4339	400164	9529	n/a
6	12/4/18	96.6	8808	7368	4543	401015	9290	n/a
7	12/5/18	92.8	8603	5869	4856	402555	9610	n/a
8	12/5/18	95	9016	5780	4897	403518	9900	n/a
9	12/5/18	97.9	8903	5623	4803	399814	9338	n/a
10	12/6/18	98.5	8797	5270	4753	399467	9458	n/a
11	12/6/18	99.5	8625	5197	4733	409907	9502	n/a
12	12/6/18	99.5	8707	5598	4875	402698	9623	n/a
13	12/6/18	99.7	9102	5556	4880	403300	9556	n/a
14	12/6/18	98.6	8682	5702	4841	400042	9361	n/a
15	12/6/18	95.8	8740	5374	4481	400294	9338	n/a
16	12/7/18	98.8	8372	5522	4765	401830	9357	n/a
17	12/7/18	100.2	8703	5772	5026	402531	9424	n/a
18	12/7/18	97.8	8901	5198	5041	398792	9409	n/a
19	12/7/18	98.7	8451	5831	4796	400737	9406	n/a
20	12/7/18	99.2	8153	5454	4804	399637	9260	n/a
21	12/8/18	99.6	8292	6634	5002	399914	9588	n/a
22	12/8/18	99	7957	5878	4809	400299	9164	n/a
23	12/9/18	98.4	8076	5998	4765	400014	9096	n/a
24	12/9/18	99.3	8051	5670	5021	399439	9182	n/a
25	12/11/18	93.1	8752	5601	4806	397160	8920	n/a
26	12/12/18	97.3	8518	5771	4690	398403	9272	n/a
27	12/12/18	100.3	8893	6392	5186	398981	9305	n/a
28	12/12/18	99.6	8428	5978	4985	399800	9183	n/a
29	12/13/18	99.7	8213	5515	4639	401013	9277	n/a
30	12/13/18	99.8	7906	5835	5018	400467	9293	n/a
31	12/13/18	100.3	7758	6085	4852	399113	9338	n/a
32	12/13/18	99.9	7864	5410	4992	401330	9261	n/a
33	12/14/18	99.7	7567	5644	4793	400576	9223	n/a
34	12/14/18	99.6	7593	6406	4997	399627	9186	n/a
35	12/14/18	99.7	7221	5731	4907	400628	9263	n/a
36	12/14/18	100.1	7276	6093	4923	401020	9241	n/a
37	12/15/18	100.8	7203	6475	5040	399682	9310	n/a
38	12/15/18	100	7099	6556	4696	400419	9301	n/a
39	12/15/18	99.6	7068	6162	4943	401939	9183	n/a
40	12/15/18	100	7108	6605	4606	400837	9140	n/a

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API: 47-051-01800	Farm Name: Williams Ohio Valley Midstream LLC	Well Number: Taylor C 1H
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Taylor C 1H				
Formation	TVD	Base	MD	MD Base
Dunkard	0	475	0	475
Waynesburg/Monongahela	475	806	475	806
Pittsburgh Coal	800	806	800	806
Conemaugh	806	1289	806	1289
Salt Sands	1499	1739	1499	1739
Mauch Chunk	1739	1846	1739	1846
Big Lime	1846	1934	1846	1934
Burgoon	1934	2154	1934	2154
Squaw	2154	2279	2154	2279
Weir	2279	2479	2279	2479
Berea	2483	2499	2493	2509
Gordon	2729	2809	2739	2819
Upper Bayard	3082	3114	3092	3124
Rhinestreet	5889	6186	5899	6196
Sycamore	6186	6313	6196	6350
MDLX	6313	6340	6350	6383
PYAN	6340	6369	6383	6422
BRKT	6369	6395	6422	6458
BRKT A	6395	6408	6458	6477
TLLY	6408	6440	6477	6529
S5	6440	6520	6529	6709
S3	6520	6536	6709	6770
STFD*	6536	6538	6770	6781
S2.B	6538	6545	6781	6824
S2.A	6545		6824	

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API: 47-051-01800	Farm Name: Williams Ohio Valley Midstream LLC	Well Number: Taylor C 1H
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DRILLING CONTRACTORS		
Driller	Driller	Driller
Name Rocky Mountain Drilling	Name Highlands Drilling LLC	Name Precision Drilling Holdings Company
Address 185 North Vernal Avenue, Suite 2	Address 900 Virginia Street East	Address 10350 Richmond Avenue, Suite 700
City - State - Zip Vernal, UT 84078	City - State - Zip Charlestown, WV 25301	City - State - Zip Houston, TX 77042

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API: 47-051-01800	Farm Name: Williams Ohio Valley Midstream LLC	Well Number: Taylor C 1H
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CEMENTING CONTRACTORS		
Name Baker Hughes	Name BJ Services	Name
Address 5373 West Alabama, Suite 300	Address 3415 Millennium Boulevard SE	Address
City - State - Zip Houston, TX 77056	City - State - Zip Massillon, OH 44646	City - State - Zip

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Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	12/3/2018
Job End Date:	12/15/2018
State:	West Virginia
County:	Marshall
API Number:	47-051-01800-00-00
Operator Name:	Chevron USA Inc
Well Name and Number:	Taylor C 1H
Latitude:	39.85181000
Longitude:	-80.69746900
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	6,525
Total Base Water Volume (gall):	15,737,862
Total Base Non Water Volume:	0

Hydraulic Fracturing Fluid Composition:

Trade Name	Supplier	Purpose	Ingredients	Chemical Abstract Service Number (CAS #)	Maximum Ingredient Concentration in Additive (% by mass)**	Maximum Ingredient Concentration in HF Fluid (% by mass)**	Comments
Water	Chevron	Carrier/Base Fluid	Water	7732-18-5	100.00000	88.05997None	
Sand	JPP	Proppant	Crystalline Silica in the form of Quartz	14808-60-7	99.90000	10.73805None	
HCL Acid (7.5%)	JPP	Acidizing	Hydrochloric Acid	7647-01-0	7.50000	0.08014None	
Unislick ST50	JPP	Friction reducer	Petroleum distillates, hydrotreated light	64742-47-8	30.00000	0.02368None	
			Ammonium acetate	331-61-8	13.00000	0.01026None	
			Alcohol, ethoxylated	68551-12-2	5.00000	0.00395None	
			Alcohol, ethoxylated	68002-67-1	5.00000	0.00395None	
			Alcohol, ethoxylated	68439-60-9	5.00000	0.00395None	
K-BAC 1020	JPP	Biocide	Polyethylene glycol	25322-68-3	50.00000	0.00563None	
			Water	7732-18-5	30.00000	0.00332None	
			2,2-Dibromo-3-nitriopropionamide	10222-01-2	21.00000	0.00232None	



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Submitted 1/10/19

Scale Inhibitor E	Upp	Scale Inhibitor							
			Ethylene Glycol	107-21-1	40.00000	0.00551	None		
			Copolymer of Maleic and Acrylic Acid	52255-49-9	20.00000	0.00276	None		
			Phosphino carboxylic acid polymer	71050-62-9	5.00000	0.00069	None		
			DETA phosphonate	15827-60-8	5.00000	0.00069	None		
			Hexamethylene Triamine Perita (Methylene Phosphonic Acid)	34690-00-1	5.00000	0.00069	None		
Iron Control A	Upp	Iron Control Agent	Ethylene Glycol	107-21-1	30.00000	0.00542	None		
Urthib G	Upp	Acid Inhibitor	Butyl diglycol	112-34-5	75.00000	0.00063	None		
			Alcohols, C10-16, ethoxylated	88002-97-1	50.00000	0.00042	None		
			Methanol	67-56-1	5.00000	0.00004	None		
			Formaldehyde	50-00-0	1.00000	0.00001	None		
			Thiourea	62-56-6	1.00000	0.00001	None		
Ingredients shown above are subject to 29 CFR 1910.1200(i) and appear on Material Safety Data Sheets (MSDS). Ingredients shown below are Non-MSDS.									
Other Chemical(s)	Listed Above	See Trade Name(s) List							
			Ammonium acetate	631-61-8	13.00000	0.01026			
			Polyethylene glycol	25322-68-3	50.00000	0.00553			
			Ethylene Glycol	107-21-1	40.00000	0.00551			
			Alcohols, ethoxylated	58551-12-2	5.00000	0.00395			
			Alcohols, ethoxylated	58439-50-9	5.00000	0.00395			
			Alcohols, ethoxylated	88002-97-1	5.00000	0.00395			
			Water	7732-18-5	30.00000	0.00332			
			Phosphino carboxylic acid polymer	71050-62-9	5.00000	0.00069			
			DETA phosphonate	15827-60-8	5.00000	0.00069			
			Hexamethylene Triamine Perita (Methylene Phosphonic Acid)	34690-00-1	5.00000	0.00069			
			Alcohols, C10-16, ethoxylated	58002-97-1	50.00000	0.00042			
			Methanol	67-56-1	5.00000	0.00004			
			Thiourea	62-56-6	1.00000	0.00001			
			Formaldehyde	50-00-0	1.00000	0.00001			

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* Total Water Volume sources may include fresh water, produced water, and/or recycled water
 ** Information is based on the maximum potential for concentration and thus the total may be over 100%

Note: For Field Development Products (products that begin with FDP), MSDS level only information has been provided.
 Ingredient information for chemicals subject to 29 CFR 1910.1200(i) and Appendix D are obtained from suppliers Material Safety Data Sheets (MSDS)



05/03/2019

Jackie M. Scholar
Regulatory Reporting Coordinator

April 10, 2019

CERTIFIED MAIL: 7016 0340 0000 4903 6218

WV DEP
Office of Oil and Gas
601 – 57th Street
Charleston, WV 25304

RE: Well Operator's Report of Well Work WR-35
Taylor C 1H

Dear Sir/Madam,

Enclosed here within please find one (1) Well Operator's Report of Well Work WR-35, one (1) copy of the Plat on Mylar, one (1) copy of the FracFocus report, and one (1) copy of the Directional Survey for **Taylor C 1H, (API 47-051-01800)**.

If you have any questions, please contact me at (412) 865-3422. Thank you.

Sincerely,
Chevron Appalachia, LLC

Jackie M. Scholar

Enclosures

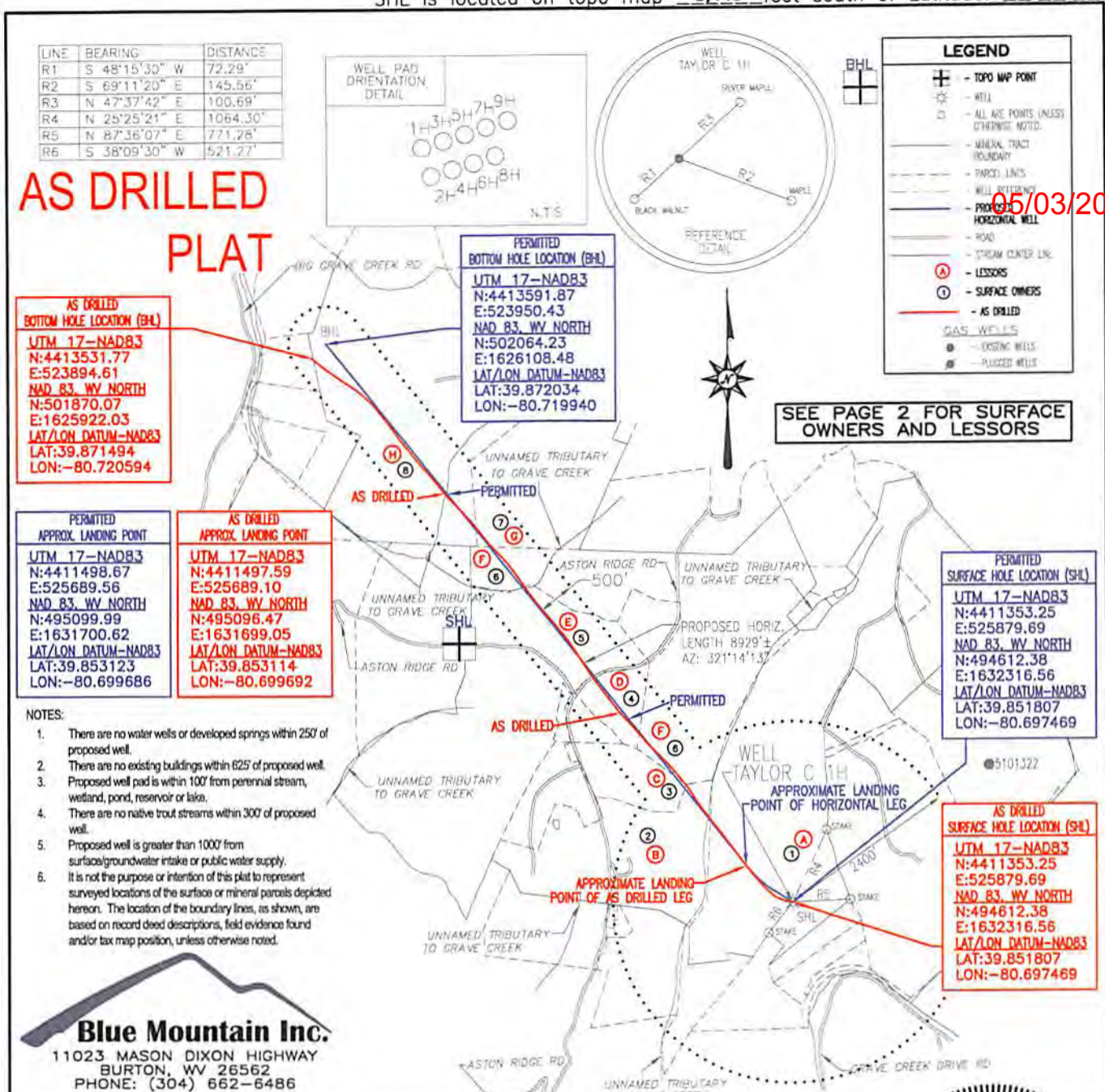
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BHL is located on topo map 1,081 feet south of Latitude: 39° 52' 30"
 SHL is located on topo map 8,448 feet south of Latitude: 39° 52' 30"

BHL is located on topo map 3,258 feet west of Longitude: 80° 42' 30"
 SHL is located on topo map 8,648 feet west of Longitude: 80° 40' 00"

05/03/2019



FILE #: TAYLOR C 1H-AS DRILLED
 DRAWING #: TAYLOR C 1H-AS DRILLED
 SCALE: 1" = 2000'
 MINIMUM DEGREE OF ACCURACY: 1/2500
 PROVEN SOURCE OF ELEVATION: U.S.G.S. MONUMENT THOMAS 1498.81'

I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.

Signed: *George D. Six*
 R.P.E.: _____ L.L.S.: P.S. No. 2000

GEORGE D. SIX
 LICENSED
 No. 2000
 STATE OF WEST VIRGINIA
 PROFESSIONAL SURVEYOR

PLACE SEAL HERE

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS WVDEP
 OFFICE OF OIL & GAS
 601 57TH STREET
 CHARLESTON, WV 25304

DATE: MARCH 13, 2018
 OPERATOR'S WELL #: TAYLOR C 1H-AS DRILLED
 API WELL #: 47 51 01800
 STATE COUNTY PERMIT

Well Type: Oil Waste Disposal Production Deep
 Gas Liquid Injection Storage Shallow

WATERSHED: MIDDLE GRAVE CREEK - GRAVE CREEK ELEVATION: 1257.00'
 COUNTY/DISTRICT: MARSHALL / CLAY QUADRANGLE: GLEN EASTON, WV 7.5'
 SURFACE OWNER: WILLIAMS OHIO VALLEY MIDSTREAM LLC ACREAGE: 265.439±
 OIL & GAS ROYALTY OWNER: LEE R. & SHERRI L. TAYLOR ACREAGE: 954.565±

DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE
 PLUG OFF OLD FORMATION PERFORATE NEW FORMATION PLUG & ABANDON
 CLEAN OUT & REPLUG OTHER CHANGE (SPECIFY): AS DRILLED

TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: TVD: 6,555'± TMD: 15,928.5'±
 WELL OPERATOR CHEVRON APPALACHIA, LLC DESIGNATED AGENT KENNETH E. TAWNEY
 Address 700 CHERRINGTON PARKWAY Address 500 LEE STREET, EAST SUITE 1600
 City CORAOPOLIS State PA Zip Code 15108 City CHARLESTON State WV Zip Code 25301-3202

TAYLOR C 1H PAGE 2 OF 2 AS DRILLED

05/03/2019

	SURFACE OWNER	DIST-TM/PAR
1	WILLIAMS OHIO VALLEY MIDSTREAM LLC	4-10/21
2	JOSEPH W. GOULDBERRY ET UX	4-10/7
3	CHARLES EDWARD EMERY	4-10/7.2
4	RONALD K. LILLEY SR. ET UX	4-10/4.2
5	DENNIS D. WINGROVE ET UX	4-10/4
6	LEWIS A. ASTON JR. ET UX	4-10/6
7	MARNIE KAY BUCHANAN	4-9/11
8	THOMAS E. & LESLIE M. HICKS	4-8/37

	LESSOR
A	LEE R. & SHERRI L. TAYLOR
B	JOSEPH W. & PEGGY A. GOULDSBERRY
C	CHARLES EDWARD & DEBBIE EMERY
D	THE DAKAN FAMILY REVOCABLE LIVING TRUST, ET AL
E	THE DAKAN FAMILY REVOCABLE LIVING TRUST, ET AL
F	LEWIS A. ASTON JR. & CATHY ASTON
G	JAMES & MARNIE BUCHANAN
H	CHRISTA D. HICKS & LESLIE M. HICKS

RECEIVED
 OFFICE OF OIL AND GAS
 APR 15 2019

PERMITTED SURFACE HOLE LOCATION (SHL)
UTM 17-NAD83 N:4411353.25 E:525879.69 NAD 83, WY NORTH N:494612.38 E:1632316.56 LAT/LON DATUM-NAD83 LAT:39.851807 LON:-80.697469

PERMITTED APPROX. LANDING POINT
UTM 17-NAD83 N:4411498.67 E:525689.56 NAD 83, WY NORTH N:495099.99 E:1631700.62 LAT/LON DATUM-NAD83 LAT:39.853123 LON:-80.699686

PERMITTED BOTTOM HOLE LOCATION (BHL)
UTM 17-NAD83 N:4413591.87 E:523950.43 NAD 83, WY NORTH N:502064.23 E:1626108.48 LAT/LON DATUM-NAD83 LAT:39.872034 LON:-80.719940

AS DRILLED SURFACE HOLE LOCATION (SHL)
UTM 17-NAD83 N:4411353.25 E:525879.69 NAD 83, WY NORTH N:494612.38 E:1632316.56 LAT/LON DATUM-NAD83 LAT:39.851807 LON:-80.697469

AS DRILLED APPROX. LANDING POINT
UTM 17-NAD83 N:4411497.59 E:525689.10 NAD 83, WY NORTH N:495096.47 E:1631699.05 LAT/LON DATUM-NAD83 LAT:39.853114 LON:-80.699692

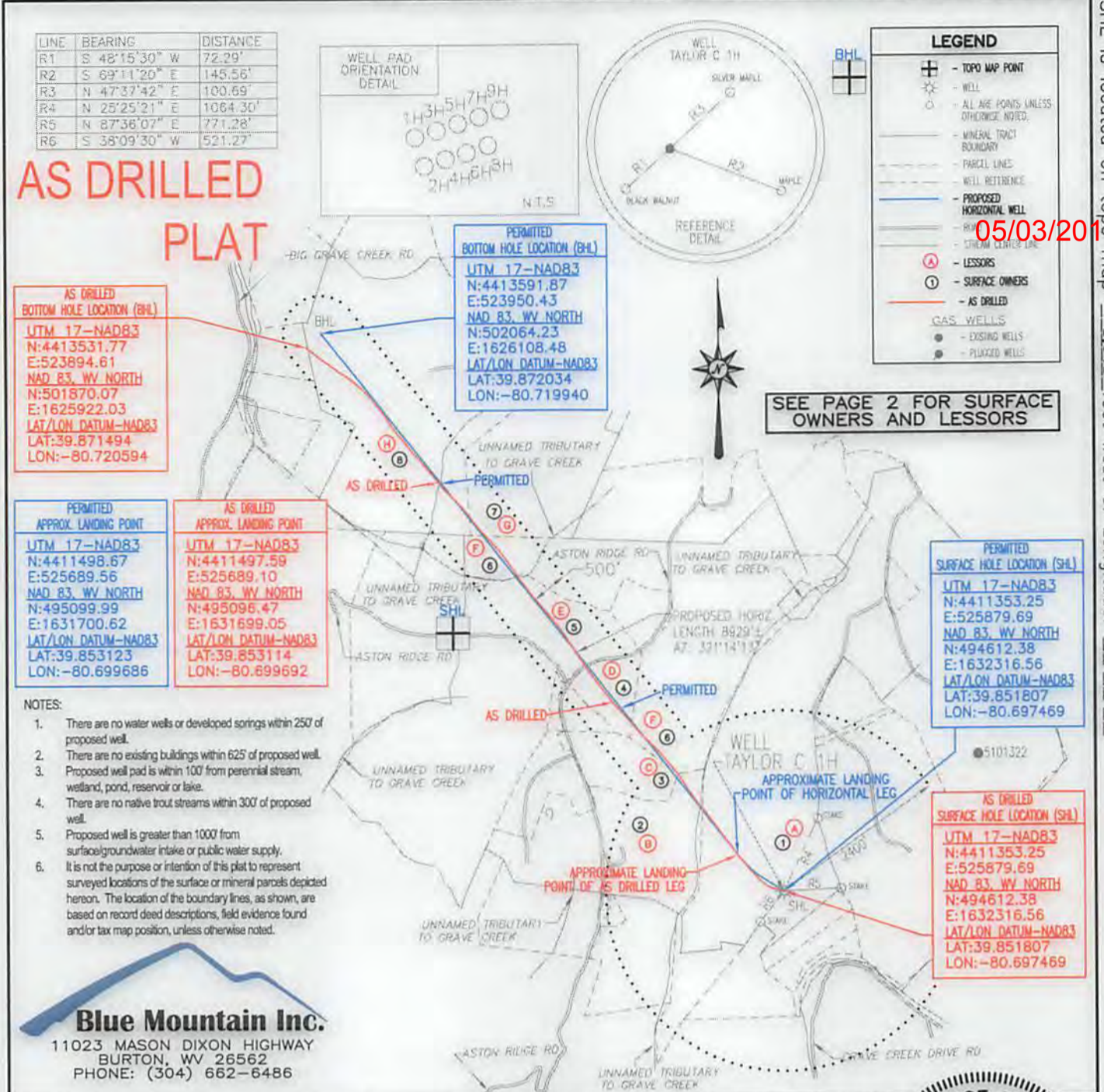
AS DRILLED BOTTOM HOLE LOCATION (BHL)
UTM 17-NAD83 N:4413531.77 E:523894.61 NAD 83, WY NORTH N:501870.07 E:1625922.03 LAT/LON DATUM-NAD83 LAT:39.871494 LON:-80.720594

MARCH 13, 2018

BHL is located on topo map 1,081 feet south of Latitude: 39°52'30"
 SHL is located on topo map 8,448 feet south of Latitude: 39°52'30"

BHL is located on topo map 3,258 feet west of Longitude: 80°42'30"
 SHL is located on topo map 8,648 feet west of Longitude: 80°40'00"

05/03/2019



I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.

Signed: George D. Six

R.P.E.: _____ L.L.S.: P.S. No. 2000

GEORGE D. SIX
 LICENSED
 No. 2000
 STATE OF
 WEST VIRGINIA
 PROFESSIONAL SURVEYOR

PLACE SEAL HERE

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS WVDEP

OFFICE OF OIL & GAS
 601 57TH STREET
 CHARLESTON, WV 25304

DATE: MARCH 13, 2018

OPERATOR'S WELL #: TAYLOR C 1H-AS DRILLED

API WELL #: 47 51 01800
 STATE COUNTY PERMIT

Well Type: Oil Waste Disposal Production Deep
 Gas Liquid Injection Storage Shallow

WATERSHED: MIDDLE GRAVE CREEK - GRAVE CREEK ELEVATION: 1257.00'

COUNTY/DISTRICT: MARSHALL / CLAY QUADRANGLE: GLEN EASTON, WV 7.5'

SURFACE OWNER: WILLIAMS OHIO VALLEY MIDSTREAM LLC ACREAGE: 265.439±

OIL & GAS ROYALTY OWNER: LEE R. & SHERRI L. TAYLOR ACREAGE: 954.565±

DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE
 PLUG OFF OLD FORMATION PERFORATE NEW FORMATION PLUG & ABANDON
 CLEAN OUT & REPLUG OTHER CHANGE (SPECIFY): AS DRILLED

TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: TVD: 6,555'± TMD: 15,928.5'±

WELL OPERATOR CHEVRON APPALACHIA, LLC DESIGNATED AGENT KENNETH E. TAWNEY
 Address 700 CHERRINGTON PARKWAY Address 500 LEE STREET, EAST SUITE 1600
 City CORAOPOLIS State PA Zip Code 15108 City CHARLESTON State WV Zip Code 25301-3202

City CORAOPOLIS State PA Zip Code 15108
 City CHARLESTON State WV Zip Code 25301-3202
 Address 700 CHERINGTON PARKWAY
 Address 500 LEE STREET, EAST SUITE 1800
 Designated Agent KENNETH E. TAWNEY
 Well Operator CHEVRON APALACHIA, LLC
 Oil & Gas Royalty Owner: LEE R. & SHERRI L. TAYLOR
 Surface Owner: WILLIAMS OHIO VALLEY MIDSTREAM LLC
 County/District: MARSHALL \ CLAY
 Watershed: MIDDLE GRAVE CREEK - GRAVE CREEK
 Elevation: 1257.00'
 Well Type: Gas Liquid Injection Oil Waste Disposal
 Storage Production Deep
 Shallow Other Change AS DRILLED
 Clean Out & Replug Other Change AS DRILLED
 Plug Off Old Formation Perforate New Formation Plug & Abandon
 Drill Convert Drill Deeper Redrill Fracture or Stimulate
 Acreage: 924.26±
 Acreage: 282.43±
 County: STATE COUNTY PERMIT
 API Well #: 47
 Operator's Well #: TAYLOR C 1H-AS DRILLED
 Date: MARCH 13, 2018

WATERSHED: MIDDLE GRAVE CREEK - GRAVE CREEK
 COUNTY/DISTRICT: MARSHALL \ CLAY
 SURFACE OWNER: WILLIAMS OHIO VALLEY MIDSTREAM LLC
 OIL & GAS ROYALTY OWNER: LEE R. & SHERRI L. TAYLOR
 ACREAGE: 924.26±
 ACREAGE: 282.43±
 QUADRANGLE: GLEN EASTON, W.V.
 ELEVATION: 1257.00'
 WELLS: Shallow Deep
 Gas Liquid Injection Oil Waste Disposal
 Storage Production Other Change AS DRILLED
 CLEAN OUT & REPLUG OTHER CHANGE AS DRILLED
 PLUG OFF OLD FORMATION PERFORATE NEW FORMATION PLUG & ABANDON
 DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE

WELL OPERATOR: CHEVRON APALACHIA, LLC
 ADDRESS: 700 CHERINGTON PARKWAY
 CITY: CORAOPOLIS, STATE: PA, ZIP CODE: 15108
 DESIGNATED AGENT: KENNETH E. TAWNEY
 ADDRESS: 500 LEE STREET, EAST SUITE 1800
 CITY: CHARLESTON, STATE: WV, ZIP CODE: 25301-3202

TARGET FORMATION: MARCELLUS
 ESTIMATED DEPTH: TD: 6252'± TMD: 12922'±
 AS DRILLED
 OTHER CHANGE AS DRILLED
 CLEAN OUT & REPLUG OTHER CHANGE AS DRILLED
 PLUG OFF OLD FORMATION PERFORATE NEW FORMATION PLUG & ABANDON
 DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE

OIL & GAS ROYALTY OWNER: LEE R. & SHERRI L. TAYLOR
 SURFACE OWNER: WILLIAMS OHIO VALLEY MIDSTREAM LLC
 COUNTY/DISTRICT: MARSHALL \ CLAY
 WATERSHED: MIDDLE GRAVE CREEK - GRAVE CREEK
 ELEVATION: 1257.00'
 Well Type: Gas Liquid Injection Oil Waste Disposal
 Storage Production Other Change AS DRILLED
 Shallow Deep
 CLEAN OUT & REPLUG OTHER CHANGE AS DRILLED
 PLUG OFF OLD FORMATION PERFORATE NEW FORMATION PLUG & ABANDON
 DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE

OF ELEVATION: THOMAS 1498.81
 PROVEN SOURCE: U.S.G.S. MONUMENT
 OF ACCURACY: 1/2500
 MINIMUM DEGREE
 SCALE: 1" = 2000'
 DRAWING #: TAYLOR C 1H-AS DRILLED
 FILE #: TAYLOR C 1H-AS DRILLED

R.P.E.:
 I.L.S.: P.2. No. 2000
 Signed: *George D. Six*
 THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.
 LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY
 BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY
 PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND
 I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS



PHONE: (304) 682-6488
 BURTON, WV 26622
 11023 MASON DIXON HIGHWAY
Blue Mountain Inc.

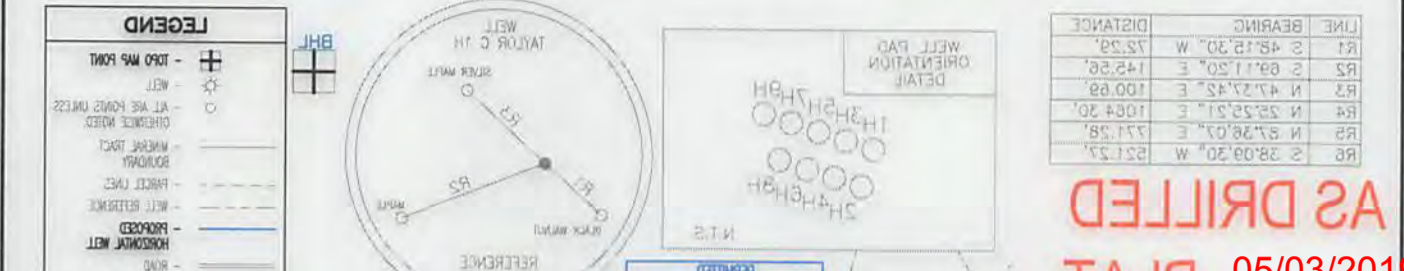
- NOTES:
1. There are no water wells or developed springs within 250' of proposed well.
 2. There are no existing buildings within 825' of proposed well.
 3. Proposed well head is within 100' from perennial stream, wetland, pond, reservoir or lake.
 4. There are no other structures within 300' of proposed well.
 5. Proposed well is greater than 1000' from underground water intake or public water supply.
 6. If not for the purpose or intention of this plat to represent surveyed locations of art or mineral interests described hereon, THE LOCATION OF THE BOUNDARY LINES AS SHOWN ARE BASED ON RECENT DEED DESCRIPTIONS, FIELD EVIDENCE AND ANOTHER MAP POSITION, UNLESS OTHERWISE NOTED.

APPROXIMATE LANDING
 POINT OF HORIZONTAL LEG
 APPROXIMATE LANDING
 POINT OF RE DRILLED LEG

SEE PAGE 2 FOR SURFACE OWNERS AND LESSORS

LEGEND

- TOPO MAP POINT
- WELL
- ALT. MEASUREMENTS
- BOUNDARY
- PROPOSED WELL
- ROAD
- STRAIGHT CENTER LINE
- LESSORS
- STRAIGHT OWNERS
- AS DRILLED
- PLACED WELLS
- EXISTING WELLS
- GAS WELLS



AS DRILLED
 PLAT
 05/03/2019

BHL is located on tobo map 8'648 feet west of longitude: 80°40'00"
 BHL is located on tobo map 2'528 feet west of longitude: 80°45'30"

BHL is located on tobo map 1.081 feet south of latitude: 39°52'30"
 BHL is located on tobo map 8.448 feet south of latitude: 39°52'30"

TAYLOR C

1H

PAGE 2 OF 2

AS DRILLED

05/03/2019

	SURFACE OWNER	DIST-TM/PAR
1	WILLIAMS OHIO VALLEY MIDSTREAM LLC	4-10/21
2	JOSEPH W. GOULDBERRY ET UX	4-10/7
3	CHARLES EDWARD EMERY	4-10/7.2
4	RONALD K. LILLEY SR. ET UX	4-10/4.2
5	DENNIS D. WINGROVE ET UX	4-10/4
6	LEWIS A. ASTON JR. ET UX	4-10/6
7	MARNIE KAY BUCHANAN	4-9/11
8	THOMAS E. & LESLIE M. HICKS	4-8/37

	LESSOR
A	LEE R. & SHERRI L. TAYLOR
B	JOSEPH W. & PEGGY A. GOULDSBERRY
C	CHARLES EDWARD & DEBBIE EMERY
D	THE DAKAN FAMILY REVOCABLE LIVING TRUST, ET AL
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G	JAMES & MARNIE BUCHANAN
H	CHRISTA D. HICKS & LESLIE M. HICKS

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UTM 17-NAD83 N:4413591.87 E:523950.43 NAD 83, WV NORTH N:502064.23 E:1626108.48 LAT/LON DATUM-NAD83 LAT:39.872034 LON:-80.719940

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AS DRILLED APPROX. LANDING POINT
UTM 17-NAD83 N:4411497.59 E:525689.10 NAD 83, WV NORTH N:495096.47 E:1631699.05 LAT/LON DATUM-NAD83 LAT:39.853114 LON:-80.699692

AS DRILLED BOTTOM HOLE LOCATION (BHL)
UTM 17-NAD83 N:4413531.77 E:523894.61 NAD 83, WV NORTH N:501870.07 E:1625922.03 LAT/LON DATUM-NAD83 LAT:39.871494 LON:-80.720594

MARCH 13, 2018

TAYLOR C 1H PAGE 2 OF 2 AS DRILLED

05/03/2019

8	THOMAS E. & LESLIE M. HICKS	4-8\37
7	MARNIE KAY BUCHANAN	4-9\11
6	LEWIS A. ASTON JR. ET UX	4-10\6
5	DENNIS D. WINGROVE ET UX	4-10\4
4	RONALD K. LILLEY SR. ET UX	4-10\4.2
3	CHARLES EDWARD EMERY	4-10\7.2
2	JOSEPH W. GOULDBERRY ET UX	4-10\7
1	WILLIAMS OHIO VALLEY MIDSTREAM LLC	4-10\21
	SURFACE OWNER	DIST-TM\PAR

H	CHRISTA D. HICKS & LESLIE M. HICKS
G	JAMES & MARNIE BUCHANAN
F	LEWIS A. ASTON JR. & CATHY ASTON
E	THE DAKAN FAMILY REVOCABLE LIVING TRUST, ET AL
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C	CHARLES EDWARD & DEBBIE EMERY
B	JOSEPH W. & PEGGY A. GOULDBERRY
A	LEE R. & SHERRI L. TAYLOR
	LESSOR

PERMITTED
SURFACE HOLE LOCATION (SHL)
UTM 17-ND83
N:441352.25
E:252878.88
MAD 83, W/ NORTH
N:494812.38
E:182316.26
LAT/ON DATUM-ND83
LAT:38.851807
LON:-80.824788

PERMITTED
APPROX. LANDING POINT
UTM 17-ND83
N:441148.27
E:252888.26
MAD 83, W/ NORTH
N:495088.98
E:1821700.82
LAT/ON DATUM-ND83
LAT:38.852122
LON:-80.828888

PERMITTED
SURFACE HOLE LOCATION (SHL)
UTM 17-ND83
N:441352.25
E:252878.88
MAD 83, W/ NORTH
N:494812.38
E:182316.26
LAT/ON DATUM-ND83
LAT:38.851807
LON:-80.824788

AS DRILLED
SURFACE HOLE LOCATION (SHL)
UTM 17-ND83
N:441352.77
E:252884.81
MAD 83, W/ NORTH
N:501870.02
E:182522.02
LAT/ON DATUM-ND83
LAT:38.871484
LON:-80.752884

AS DRILLED
APPROX. LANDING POINT
UTM 17-ND83
N:441148.28
E:252888.10
MAD 83, W/ NORTH
N:495088.47
E:182188.02
LAT/ON DATUM-ND83
LAT:38.852114
LON:-80.828882

AS DRILLED
SURFACE HOLE LOCATION (SHL)
UTM 17-ND83
N:441352.25
E:252878.88
MAD 83, W/ NORTH
N:494812.38
E:182316.26
LAT/ON DATUM-ND83
LAT:38.851807
LON:-80.824788

MARCH 13, 2018

